Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/29/2022 09:21 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125579	0	1.34	125487	1.29
Blue	F	SSC	125000	124791	-1	2.63	125256	2.45
Blue	E	FITC	13602	13216	-3	2.18	369	13.27
Blue	D	PE	24891	24456	-2	1.61	582	10.25
Blue	B	PerCP-Cy5-5	33972	33289	-3	2.92	953	14.54
Blue	A	PE-Cy7	22865	22726	-1	4.79	472	30.19
Red	C	APC	47198	46661	-2	2.59	1612	11.48
Red	A	APC-Cy7	26454	25806	-3	3.17	727	12.11
Violet	B	V450	6737	6462	-5	3.92	450	11.42
Violet	A	V500	29317	27931	-5	3.49	953	8.44

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24163	2.18	537	2	N/A	N/A	Pass
Blue	F	SSC	56169	1.93	515	-6	N/A	N/A	Pass
Blue	E	FITC	56	53.22	483	-1	0.0449	97	Pass
Blue	D	PE	113	37.53	486	0	0.4118	279	Pass
Blue	B	PerCP-Cy5-5	150	40.95	579	0	0.0211	95	Pass
Blue	A	PE-Cy7	80	76.78	622	1	0.0226	0	Pass
Red	C	APC	338	25.51	573	1	0.0277	147	Pass
Red	A	APC-Cy7	137	34.11	551	0	0.0067	1378	Pass
Violet	B	V450	77	46.21	451	1	0.0586	2291	Pass
Violet	A	V500	111	33.39	470	1	0.0271	1340	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.57	-31.40	1.00
Blue	20.35	16.28 - 24.42	1.28	1.03 - 1.55	0.00	0.00	1.44
Red	15.52	13.90 - 20.86	N/A	N/A	29.79	30.12	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 11162

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments